

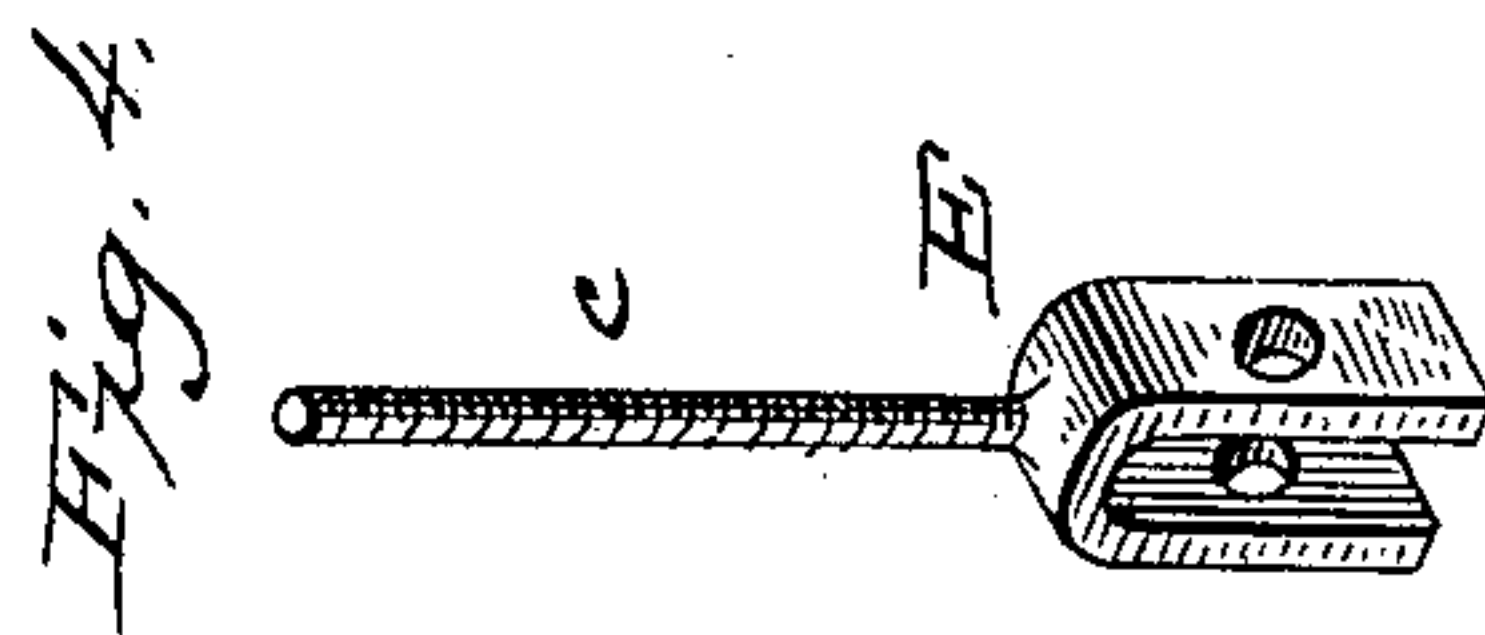
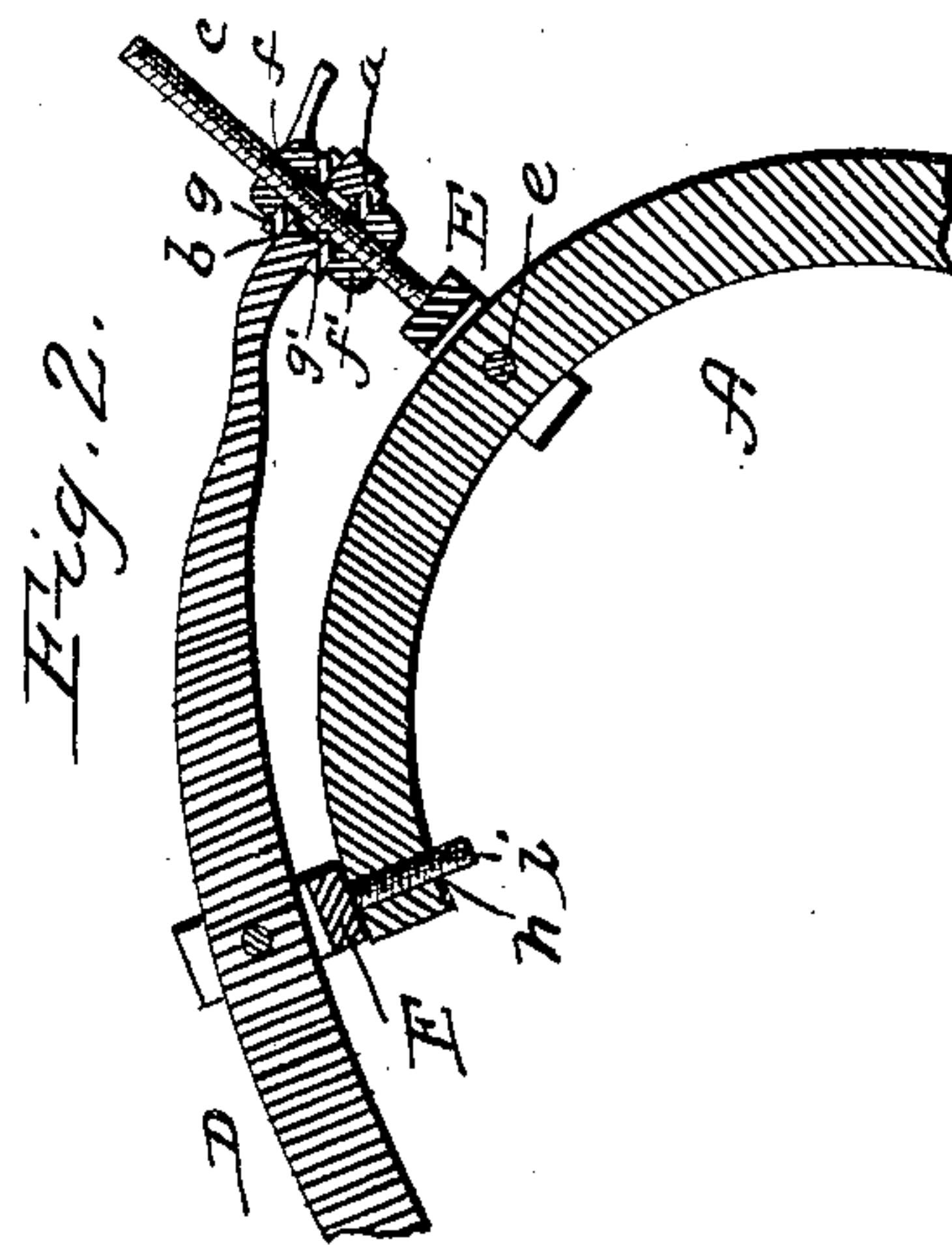
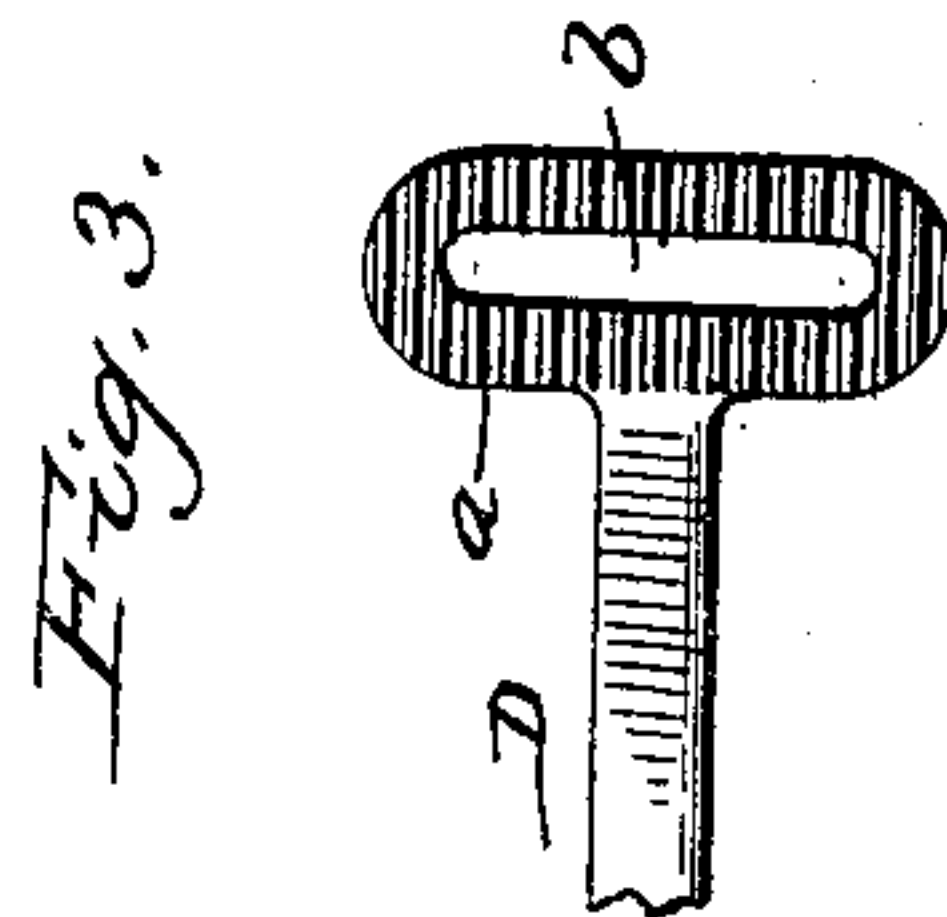
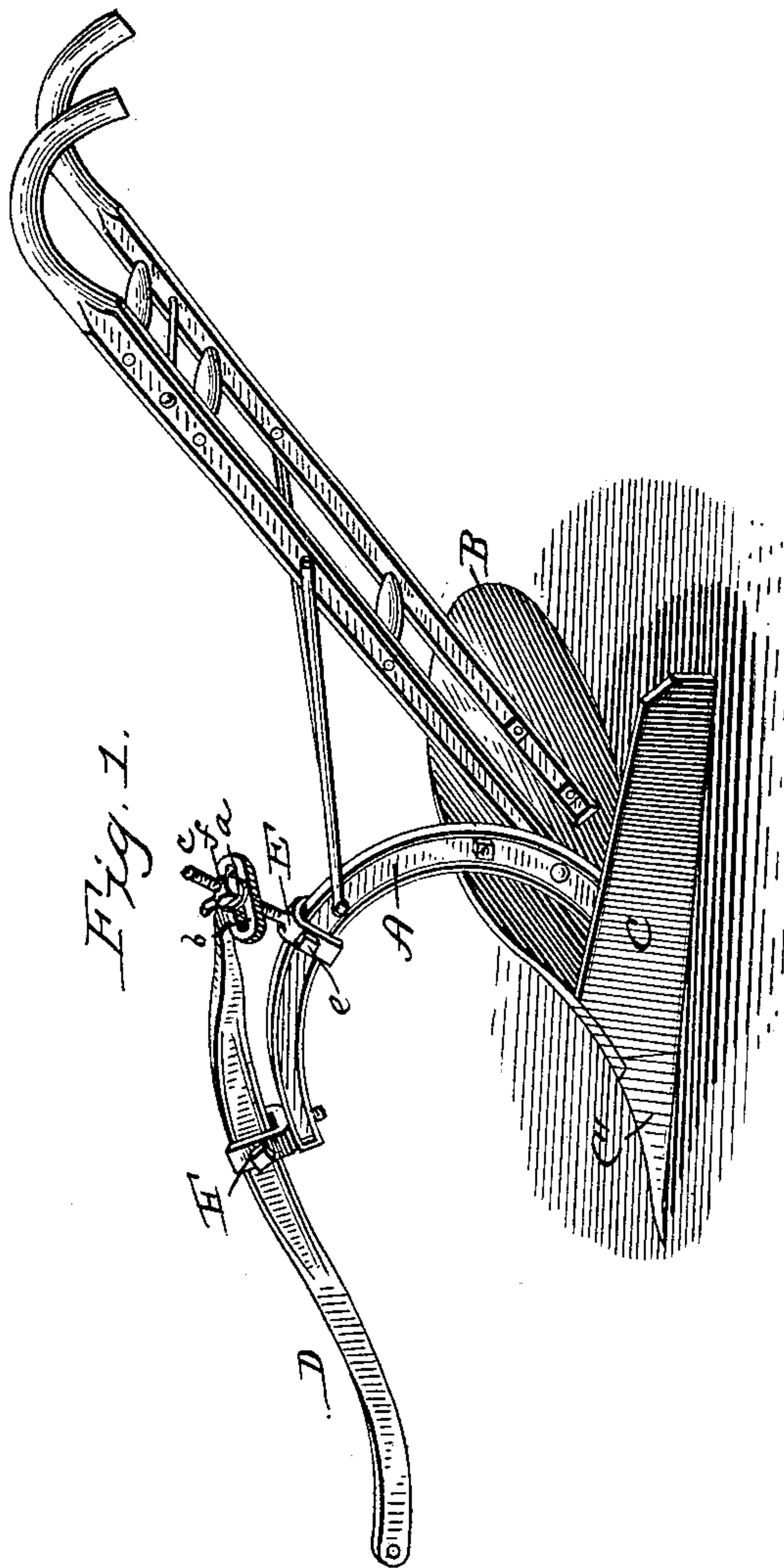
(No Model.)

W. A. FAIRBANKS.

PLOW.

No. 377,296.

Patented Jan. 31, 1888.



Witnesses:
John S. Finch
Charles Quinn

Inventor:
W. A. Fairbanks.
By L. M. Alexander
Atty.

UNITED STATES PATENT OFFICE.

WEBSTER A. FAIRBANKS, OF CHARLES CITY, IOWA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 377,296, dated January 31, 1888.

Application filed November 18, 1887. Serial No. 255,531. (No model.)

To all whom it may concern:

Be it known that I, WEBSTER A. FAIRBANKS, a citizen of the United States, residing at Charles City, in the county of Floyd and State of Iowa, have invented certain new and useful Improvements in Plows, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of my improved adjustable beam-plow complete; Fig. 2, a vertical longitudinal section in detail, taken centrally through the plow-beam and curved standard, showing the improved manner of adjustably connecting these parts together. Fig. 3 is a bottom view of the rear slotted end of the plow-beam, showing the serrations therein. Fig. 4 is a perspective view of the rear bifurcated clasp with screw-threaded stem.

My invention relates to improvements in plows, which will be fully understood from the following description and claims, when taken in connection with the annexed drawings.

My object is to provide in an exceedingly simple manner for adjusting a plow to run higher or lower, and also to take more or less land, and at the same time to so construct the beam and standard that they will not clog with vines, stubble, &c.

In the annexed drawings, A designates a curved plow-standard, which is of a C shape (shown in Fig. 1) and preferably made of wrought-iron.

B designates the mold-board, C the land-side-board, and C' the plow-point. These parts, together with the plow-handles, the tie and brace rods, are or may be constructed in the usual well-known manner of making walking-plows.

D designates the curved plow-beam, the rear end of which is provided with an enlargement, *a*, having a vertical transverse slot, *b*, through it, which slot is at right angles to the length of the beam D, as shown in Fig. 3.

E designates a bifurcated clasp, which straddles the curved standard A at a point a suitable distance from its front end, and is constructed with a screw-threaded stem, *c*. This clasp is rigidly secured to the standard A by means of a transverse bolt, *e*, and a nut, on loosening which latter the clasp is allowed to vibrate

longitudinally about the bolt *e*. The screw-threaded stem *c* of said clasp passes up through the transverse slot *b* in the beam D, and can be rigidly secured to the latter by means of nuts *f f'*, between which and the slotted enlargement of the beam are washers *g g'*.

The lower side of the enlargement *a* is serrated or corrugated, as shown in Fig. 3, and the upper side of the lower washer, *g'*, is similarly corrugated. This is for the purpose of effecting a positive lock between the plow-beam and its clasp, which will prevent casual lateral displacement of the parts after the plow has been adjusted and set to "take more or less land."

It will thus be seen that by loosening the nuts *f f'* the point of the beam of the plow can be adjusted so that the vertical pitch of the plow-point can be varied and the plow adjusted to run higher or lower, as may be desired; also, that when the upper nut, *f*, is loosened the rear end of the plow-beam can be adjusted laterally, so that the plow will take more or less land, as circumstances require, this nut *f* being preferably provided with a handle for convenience in operating it.

Vertically through the front end of the plow-standard A is an eye, *h*, which is screw-tapped, and which receives the screw-threaded stem *i* of a bifurcated clasp, F, that embraces the plow-beam D, and is connected to it by a bolt, *j*, and a nut, *k*. The bolt *j* affords a pivot for allowing the rear end of the said beam to be adjusted vertically, and the stem *i* of said clasp F is allowed to swivel while adjusting the rear end of the plow-beam laterally.

It will thus be observed that, in combination with a simple curved standard and a plow-beam, I am able, by loosening the nuts *f f'*, to adjust the plow to run deeper or shallower, and also to take more or less land, as the condition of the soil requires.

It is obvious that my improvement is applicable to sulky or wheel plows as well as to what are denominated "walking-plows."

One of the essential features of my improvement is to practically prevent a plow which is provided with the adjustments described from clogging. This I am able to accomplish by my peculiar adaptation of the adjusting devices to the curved or C-shaped plow-beam,

which presents no angles or shoulders, which would collect weeds, stubble, &c., the adjusting devices all being arranged above the front concave edge of said standard, out of the way of obstructions.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, in a plow, with a curved standard having an eye through its front end and a beam having a vertical transverse slot through its rear end, of a front swivel-clasp, F, and a rear clasp, E, pivoted to the said standard and connected to the beam by nuts and washers, all substantially as described.

2. The combination of the curved standard,

the curved plow-beam, the front swivel-clasp pivoted to the said standard and beam to allow vertical and lateral adjustments thereof, and the clasp E, connected to the beam by a transverse pivot-bolt and having a screw-stem provided with nuts and washers and adjustably secured to the rear transversely-slotted end of the plow-beam, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

WEBSTER A. FAIRBANKS.

Witnesses:

A. R. SPRIGGS,
T. A. HAND..